



Replacement Sheet

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FIG. 1

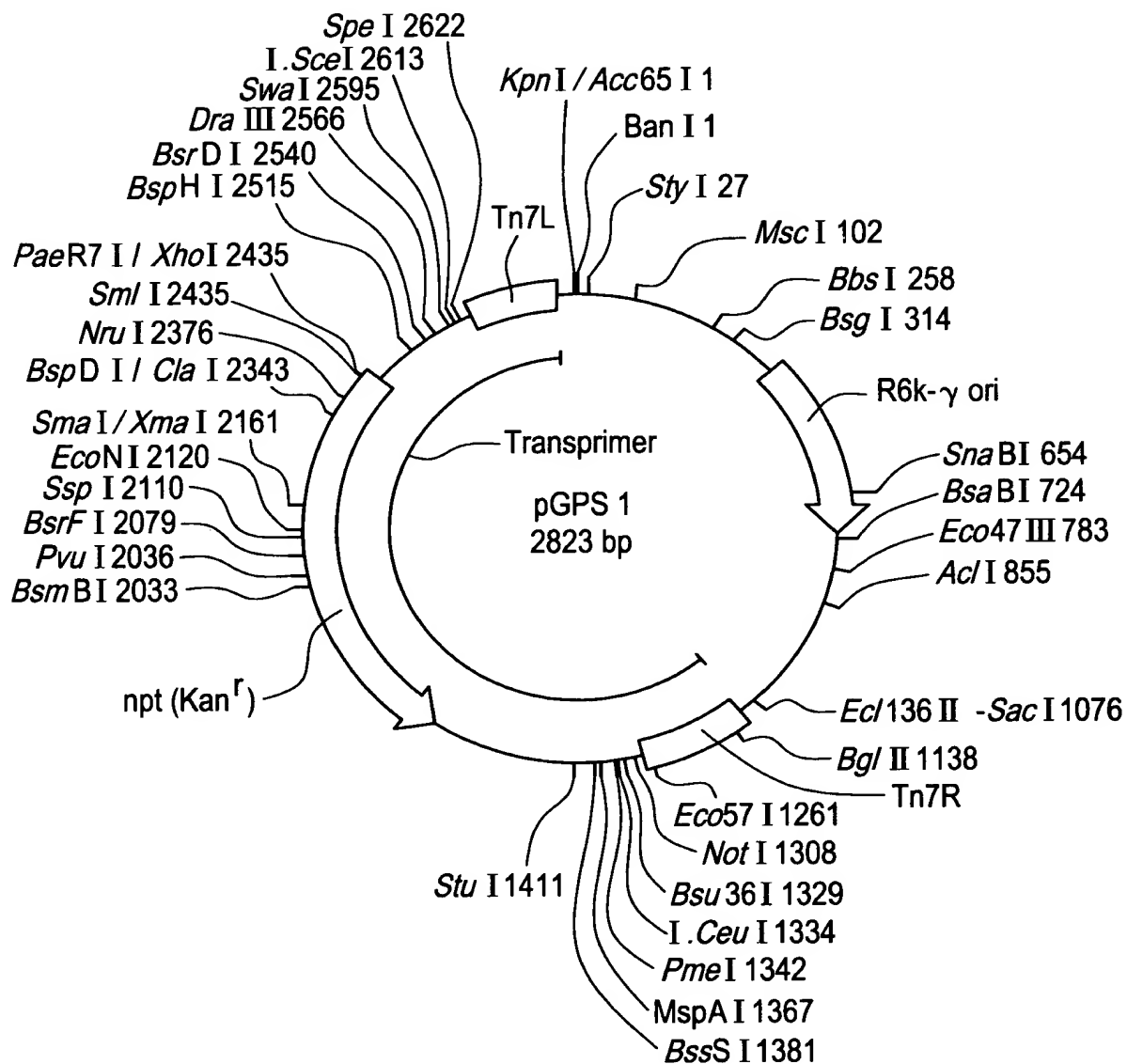
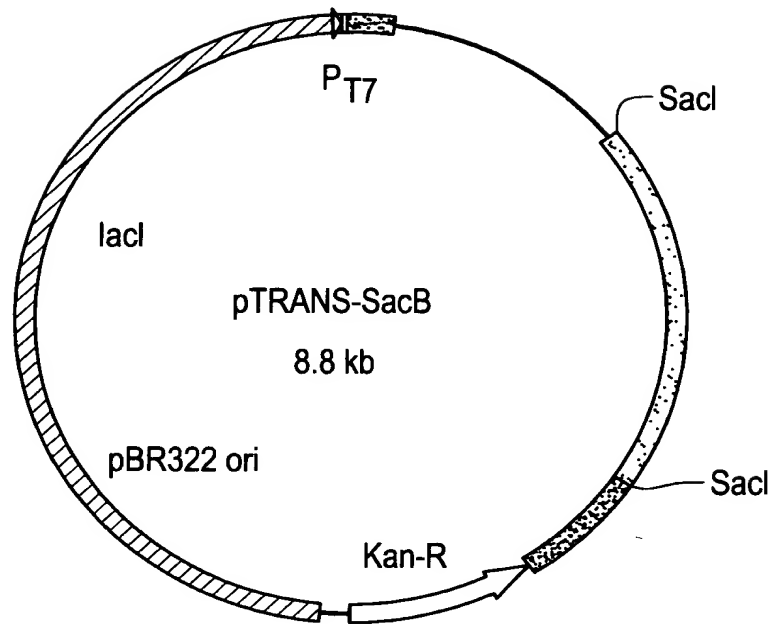









FIG. 2



-  kanamycin resistance
-  pET22b-derived sequences
-  transposon terminal repeats
-  pGPS1 sequences
-  *B. subtilis* sacB gene

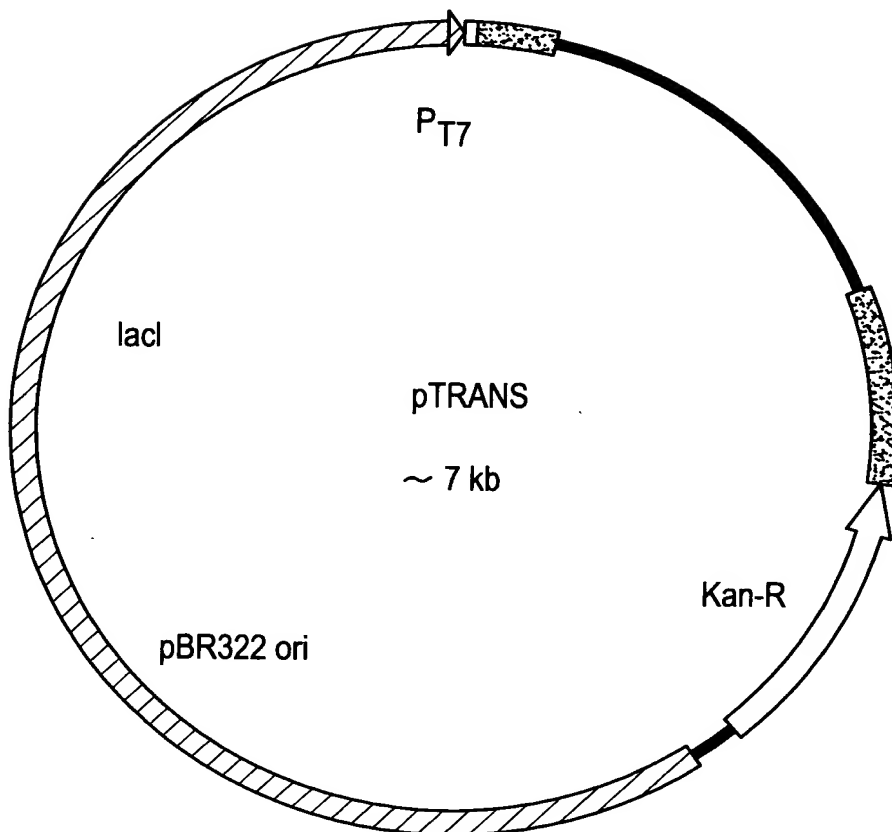






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FIG. 3



-  kanamycin resistance
-  pET22b-derived sequences
-  transposon terminal repeats
-  pGPS1 sequences

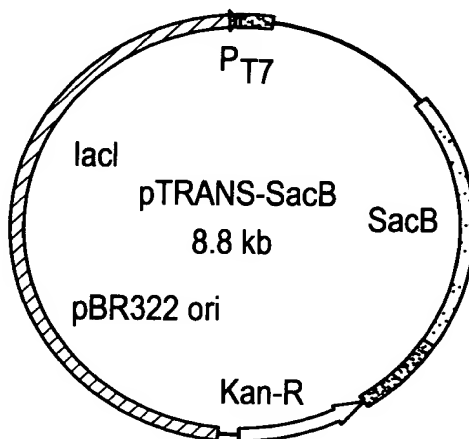


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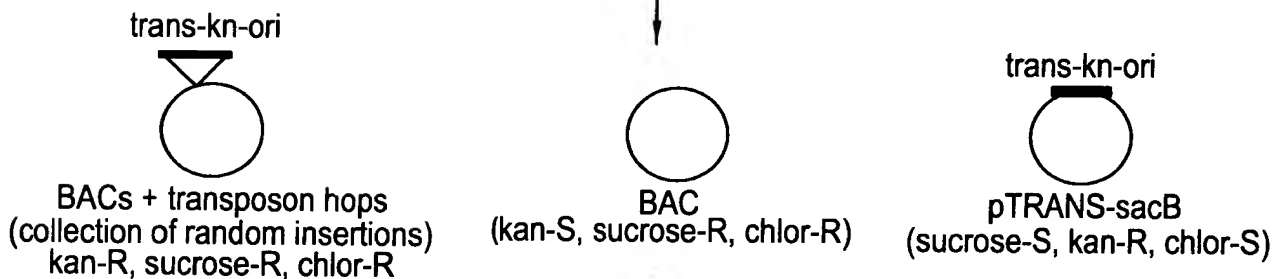
FIG. 4

In vitro transposition with pTRANS-SacB (donor)
and pBeloBACII (recipient)



Library BAC plasmid (single copy #) + pTRANS-SacB (moderate copy #) + transposase
sucrose-R kan-S chlor-R
sucrose-S kan-R chlor-S

Transposase
reaction



Transform DH10B or
DH10B(DE3) cells

select for Kan-R, chlor-R, sucrose-R transformants (on LB or specific assay medium)
Should be moderate copy # plasmids containing random transposon insertions

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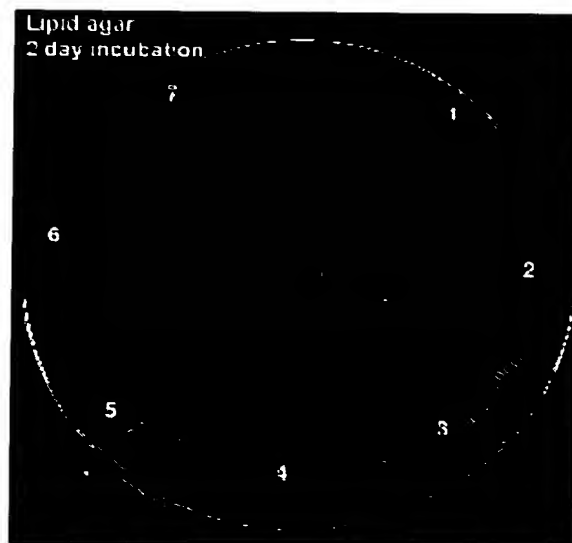
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FIG. 5

Amplification of lipase expression from a BAC clone
by increasing copy number with pTRANS-SacB



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FIG. 6

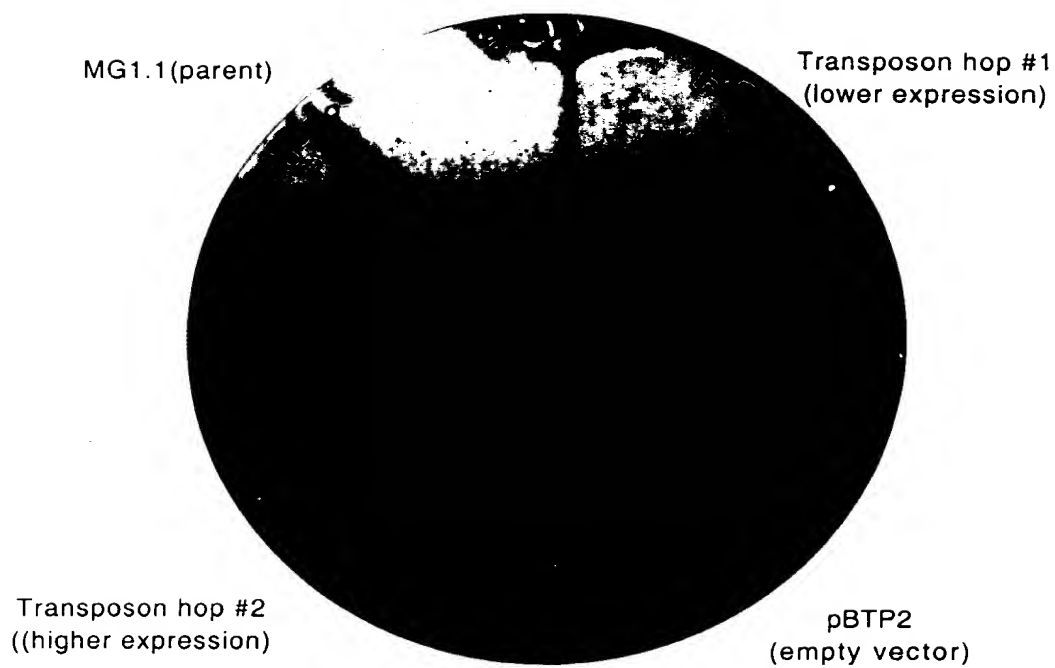
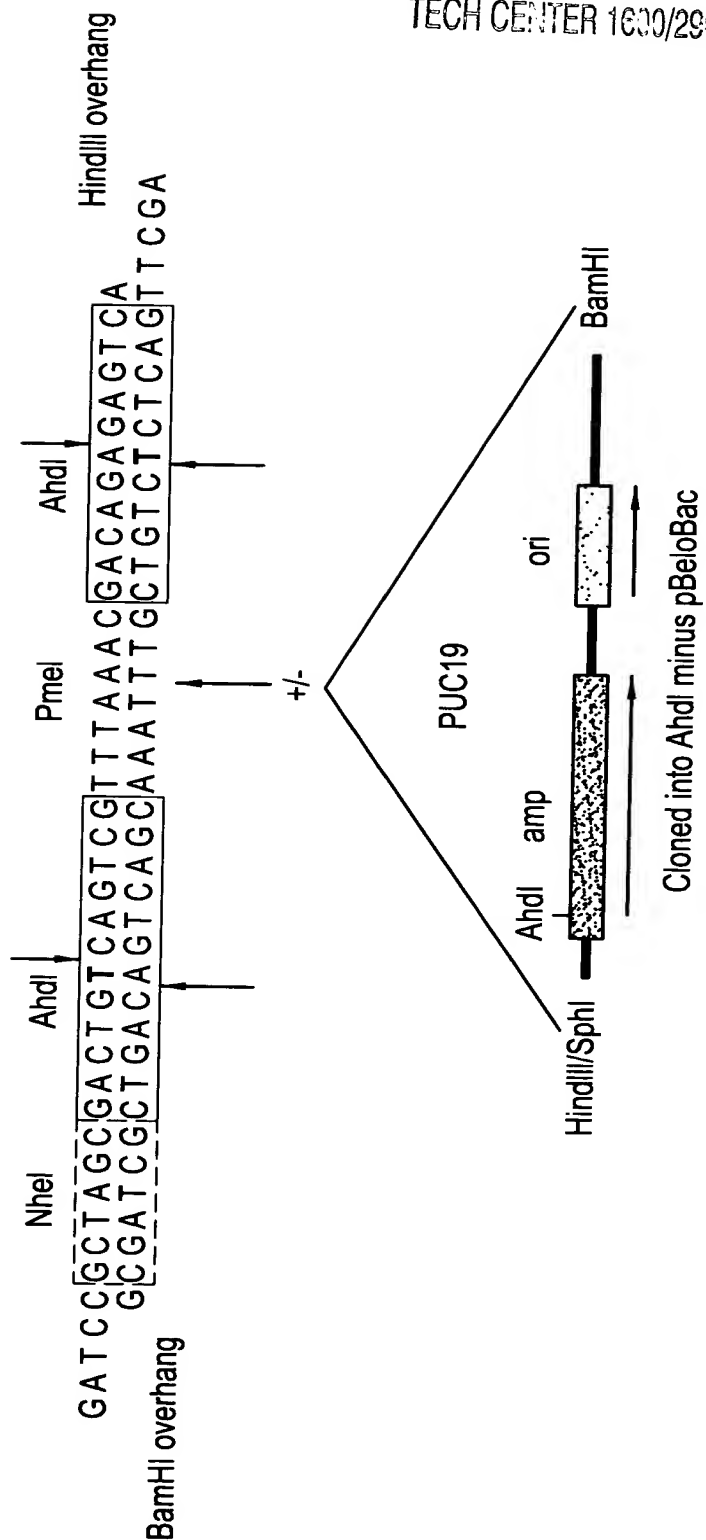


FIG. 7



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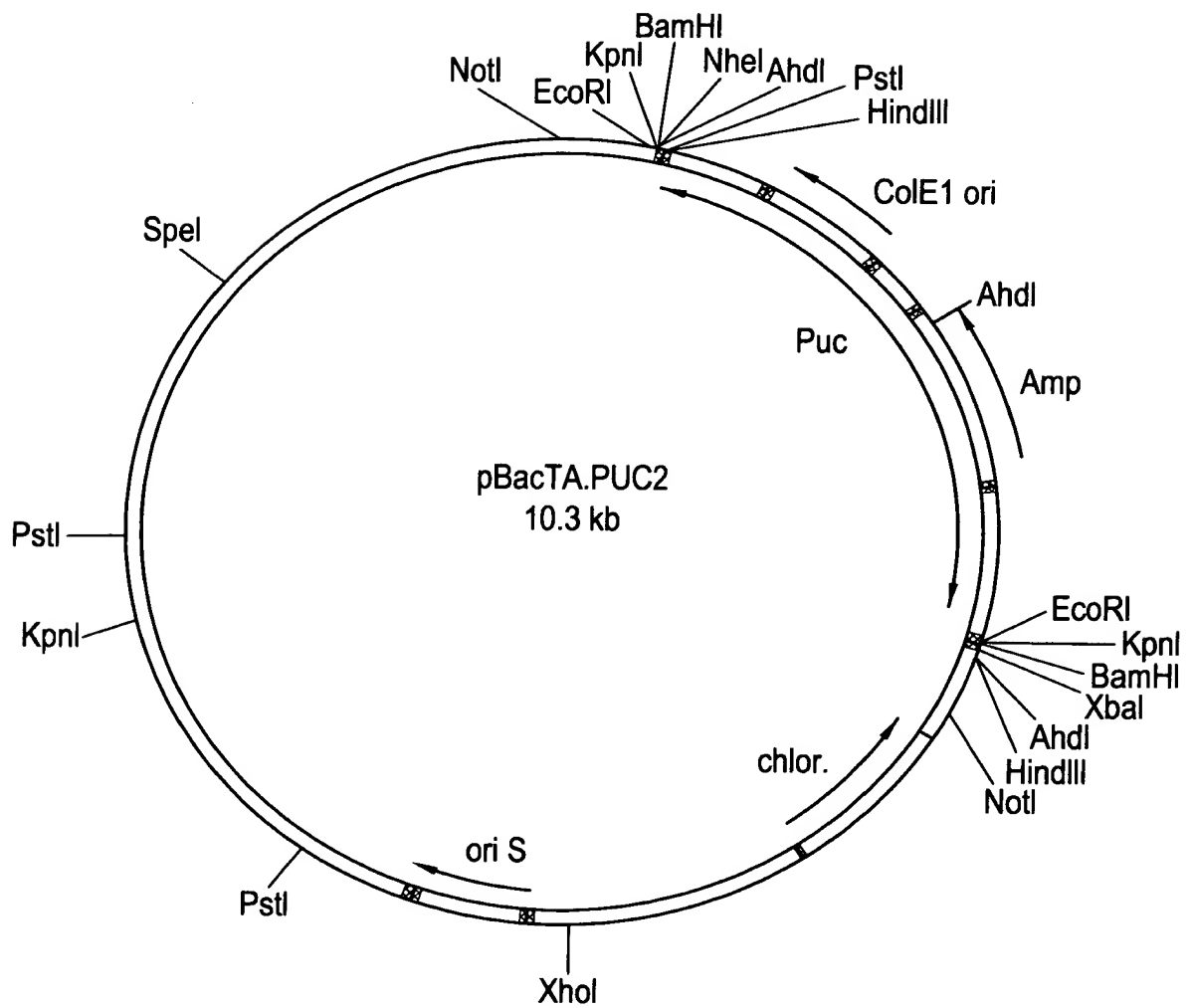


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FIG. 8A



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FIG. 8B

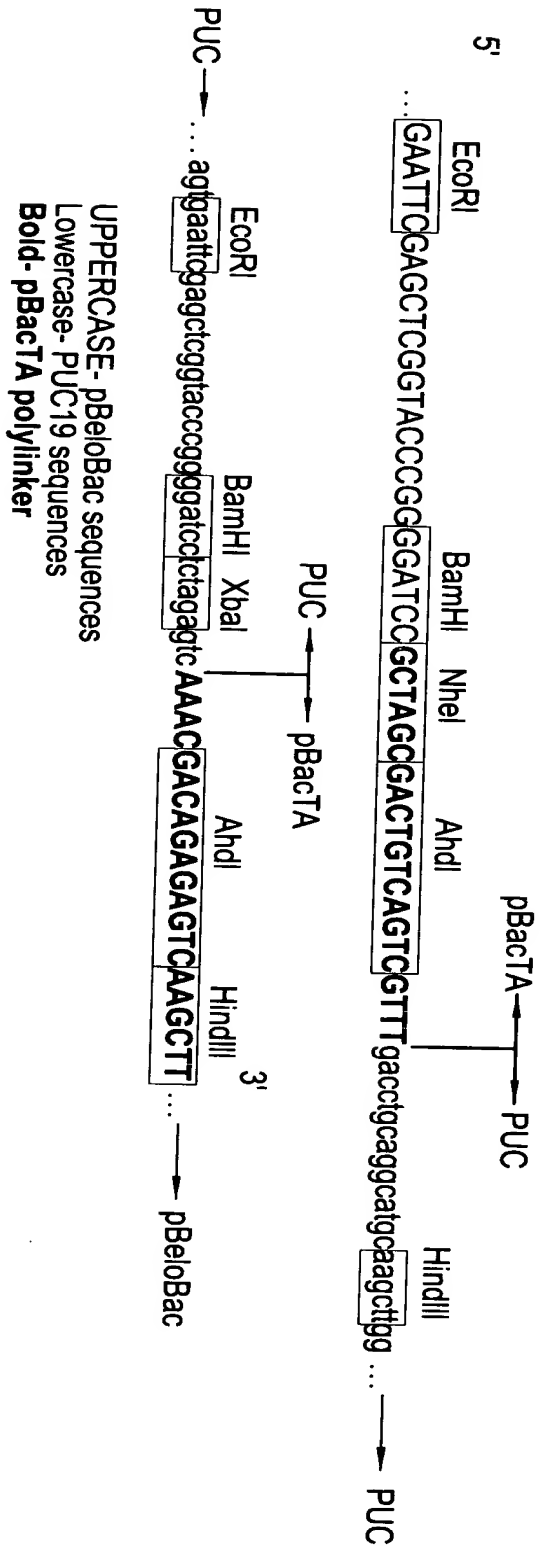




FIG. 9

